

CLAIMS

What is claimed is:

1 1. A method for displaying an Electronic Program Guide (EPG) comprising:

2 displaying a three dimensional polyhedron;

3 forming a plane positioned in said polyhedron, said plane

4 comprising at least one object, said object comprising at least one interactive

5 surface; and

6 displaying at least one geometric surface positioned in said

7 polyhedron, said geometric surface comprising at least one object.

1 2. The method of claim 1, wherein said geometric surfaces are hyperbolic

2 planes.

1 3. The method of claim 1, wherein said objects are independent of said

2 polyhedron.

1 4. The method of claim 1, wherein said polyhedron is displayed with a

2 perpendicular view.

1 5. The method of claim 1, wherein said polyhedron is displayed with an

2 isometric view.

1 6. The method of claim 4, wherein said plane is positioned in front of said
2 geometric surfaces.

1 7. The method of claim 1, wherein said objects represent a television
2 program.

1 8. The method of claim 2, wherein said hyperbolic plane is defined by the
2 equation $y = A + 1/(Bx + C)$.

1 9. The method of claim 1, wherein said EPG is displayed exclusive of three
2 dimensional graphics circuitry.

1 10. The method of claim 1, wherein said polyhedron is a cube.

1 11. The method of claim 7, wherein:

2 said objects positioned in said plane represent television programs
3 which are preferred; and

4 said objects positioned in said geometric surface represent
5 television programs which are not preferred.

1 12. An Electronic Programming Guide (EPG) comprising:

2 a three dimensional polyhedron;
3 said polyhedron comprising a plane and at least one geometric
4 surface positioned in said polyhedron;
5 said plane comprising at least one object;
6 said geometric surface comprising at least one object; and
7 said objects comprising at least one interactive surface.

1 13. The EPG of claim 12, wherein said geometric surfaces are hyperbolic
2 planes.

1 14. The EPG of claim 12, wherein said objects are independent of said
2 polyhedron.

1 15. The EPG of claim 12, wherein said polyhedron is displayed with a
2 perpendicular view.

1 16. The EPG of claim 15, wherein said polyhedron is displayed with an
2 isometric view.

1 17. The EPG of claim 15, wherein said plane is positioned in front of said
2 geometric surfaces.

1 18. The EPG of claim 12, wherein said objects represent a television program.

1 19. The EPG of claim 13, wherein said hyperbolic plane is defined by the
2 equation $y = A + 1/(Bx + C)$.

1 20. The EPG of claim 12, wherein said EPG is displayed exclusive of three
2 dimensional graphics circuitry.

1 21. The EPG of claim 12, wherein said polyhedron is a cube.

1 22. The EPG of claim 18, wherein:

2 said objects positioned in said plane represent television programs

3 which are preferred; and

4 said objects positioned in said geometric surface represent

5 television programs which are not preferred.

1 23. A system for displaying an Electronic Program Guide (EPG) comprising:

2 a memory; and

3 a first unit to display a three dimensional polyhedron;

4 said first unit to further display a plane positioned in said

5 polyhedron, said plane comprising at least one object, said object comprising at

6 least one interactive surface; and

7 said first unit to further display at least one geometric surface
8 positioned in said polyhedron, said geometric surface comprising at least one
9 object, said object comprising at least on interactive surface.

1 24. The system of claim 23, wherein said geometric surfaces are hyperbolic
2 planes.

1 25. The system of claim 23, wherein said objects are independent of said
2 polyhedron.

1 26. The system of claim 23, wherein said polyhedron is displayed with a
2 perpendicular view.

1 27. The system of claim 23, wherein said polyhedron is displayed with an
2 isometric view.

1 28. The system of claim 26, wherein said plane is positioned in front of said
2 geometric surfaces.

1 29. The system of claim 23, wherein said objects represent a television
2 program.

1 30. The system of claim 24, wherein said hyperbolic plane is defined by the
2 equation $y = A + 1/(Bx + C)$.

1 31. The system of claim 23, wherein said EPG is displayed exclusive of three
2 dimensional graphics circuitry.

1 32. The system of claim 23, wherein said polyhedron is a cube.

1 33. The system of claim 29, wherein:
2 said objects positioned in said plane represent television programs
3 which are preferred; and
4 said objects positioned in said geometric surface represent
5 television programs which are not preferred.

1 34. A machine readable medium having stored thereon sequences of
2 instructions which are executable by a processor, and which, when executed by
3 the processor, cause the system to perform a method for displaying an Electronic
4 Programming Guide (EPG) comprising:
5 displaying a three dimensional polyhedron;
6 forming a plane positioned in said polyhedron, said plane
7 comprising at least one object, said object comprising at least one interactive
8 surface; and

9 displaying at least one geometric surface positioned in said
10 polyhedron, said geometric surface comprising at least one object.

1 35. The machine readable medium of claim 34, wherein said geometric
2 surfaces are hyperbolic planes.

1 36. The machine readable medium of claim 34, wherein said objects are
2 independent of said polyhedron.

1 37. The machine readable medium of claim 34, wherein said polyhedron is
2 displayed with a perpendicular view.

1 38. The machine readable medium of claim 34, wherein said polyhedron is
2 displayed with an isometric view.

1 39. The machine readable medium of claim 37, wherein said plane is
2 positioned in front of said geometric surfaces.

1 40. The machine readable medium of claim 34, wherein said objects represent
2 a television program.

1 41. The machine readable medium of claim 35, wherein said hyperbolic plane
2 is defined by the equation $y = A + 1/(Bx + C)$.

1 42. The machine readable medium of claim 34, wherein said EPG is displayed
2 exclusive of three dimensional graphics circuitry.

1 43. The machine readable medium of claim 34, wherein said polyhedron is a
2 cube.

1 44. The machine readable medium of claim 40, wherein:
2 said objects positioned in said plane represent television programs
3 which are preferred; and
4 said objects positioned in said geometric surface represent
5 television programs which are not preferred.